

AEC270 Strain Gauge Transmitter / Isolator

- Non-Smart / Non-uProcessor based, type A instrument
- True universal AC/DC supply voltage 21V through 265V AC/DC

Technical Specifications

Input

Any mV signal range, with a Minimum span 4mV
(Excitation 10V at up to 22mA as standard, 5Vdc option available)

Typical Input ranges

0-5mV, 0-10mV, 0-15mV, 0-20mV, 0-25mV, 0-30mV, 0-40mV

Output

4-20mA output as standard, other ranges are available on request.
The current source can be up to 20mA with a drive voltage of 13V.
(Passive/Sink output port option is available on request)
The voltage output can be up to 10Vdc, with maximum drive 3mA.

Other Output ranges available

0-10mA, 0-20mA, 1-5mA, 0-2V, 0.4-2.0V, 1-5V, 2-10V, 0-10Vdc

Accuracy/Linearity

≤0.1% mV Span

Supply

Universal 21-265V ac/dc. Typical burden on 24Vdc supply <1.3W max
Typical Burden on AC supply range 3W

Isolation

1000V RMS Input/Excitation/Output/Supply

Environmental Conditions

Storage Temperature: -20°C to +70°C
Operating Ambient: 0°C to +55°C
Relative Humidity: 5% to 95% RH (Non-Condensing)
EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)
IP Rating: IP20

Dimensions

H: 75mm W:22.5mm D:105mm

Mounting

Din Rail (TS35)

